

Name: _____

at1110paper_practice_test (v108)

1. Solve the equation with factoring by grouping.

$$15x^2 + 12x + 10x + 8 = 0$$

2. Expand the following expression into standard form.

$$(2x + 3)(2x - 3)$$

3. Solve the equation.

$$(7x + 8)(4x - 3) = 0$$

4. Expand the following expression into standard form.

$$(3x + 7)^2$$

5. Expand the following expression into standard form.

$$(5x - 6)(7x + 4)$$

6. Factor the expression.

$$x^2 - 9x + 20$$

7. Solve the equation.

$$10x^2 - 20x + 10 = 3x^2 + 5x - 2$$

8. Factor the expression.

$$81x^2 - 49$$